

Tennessee Summary, 2003-2004

2003 Crop	Unit	Acreage		Yield Per Acre	Production	
		Planted	Harvested		Total	Value
		1,000 Acres			1,000	\$1,000
Corn for Grain	bu.	710	620	131	81,220	192,491
Corn for Silage	tons	---	60	17	1,020	---
Cotton, Lint	lbs. ¹	560	530	806	890	243,504
Cottonseed	tons	---	---	---	311	40,430
Hay, All	tons	---	2,030	2.33	4,726	262,260
Alfalfa	tons	---	30	4.2	126	13,860
All Other	tons	---	2,000	2.3	4,600	248,400
Grain Sorghum	bu.	45	40	82	3,280	7,898
Sorghum Silage	tons	---	2	18	36	---
Soybeans	bu.	1,150	1,120	42	47,040	331,632
Tobacco, All	lbs.	---	31.14	2,108	65,632	138,290
E. Dark-Fired (22)	lbs.	---	5.2	2,980	15,496	38,616
W. Dark-Fired (23)	lbs.	---	0.40	3,350	1,340	3,248
Burley (31)	lbs.	---	25	1,900	47,500	93,813
One-Sucker (35)	lbs.	---	0.54	2,400	1,296	2,613
Winter Wheat	bu.	430	270	50	13,500	42,795
Apples ²	lbs.	---	1.0	12,000	11,500	2,903
Peaches ²	tons	---	0.5	3.5	1.6	1,645
Floriculture	---	---	---	---	---	45,886
Squash, Total	cwt.	1.2	1.1	72	79	1,392
Snap Beans, Fresh	cwt.	10.5	9.5	43	409	11,861
Tomatoes, Fresh	cwt.	4.9	4.6	350	1,610	59,570

2004 Crop	Unit	Acreage		Yield Per Acre	Production	
		Planted	Harvested		Total	Value
		1,000 Acres			1,000	\$1,000
Corn for Grain	bu.	680	615	140	86,100	180,810
Corn for Silage	tons	---	55	19	1,045	---
Cotton, Lint	lbs. ¹	530	525	900	984	236,632
Cottonseed	tons	---	---	---	336	35,904
Hay, All	tons	---	1,935	2.52	4,883	260,699
Alfalfa	tons	---	35	3.8	133	13,699
All Other	tons	---	1,900	2.5	4,750	247,000
Grain Sorghum	bu.	20	17	90	1,530	3,342
Sorghum Silage	tons	---	2	16	32	---
Soybeans	bu.	1,210	1,180	41	48,380	251,576
Tobacco, All	lbs.	---	30.26	2,161	65,381	139,762
E. Dark-Fired (22)	lbs.	---	5.3	3,100	16,430	41,897
W. Dark-Fired (23)	lbs.	---	0.42	3,300	1,386	3,479
Burley (31)	lbs.	---	24	1,920	46,080	91,238
One-Sucker (35)	lbs.	---	0.54	2,750	1,485	3,148
Winter Wheat	bu.	400	280	49	13,720	48,020
Apples ²	lbs.	---	0.9	12,200	10,500	2,765
Peaches ²	tons	---	0.5	3.9	1.8	1,926
Floriculture	---	---	---	---	---	44,100
Squash, Total	cwt.	1.2	1.0	95	95	2,116
Snap Beans, Fresh	cwt.	10.0	7.6	48	365	12,045
Tomatoes, Fresh	cwt.	6.7	6.2	200	1240	42,160

¹ Cotton production is in 480 pound net weight bales. ² Utilized production.



Crops: Record Highs and Lows, Tennessee

Item	Estimates Began	Unit	Record High		Record Low	
			Quantity ¹	Year	Quantity ¹	Year
			1,000		1,000	
Corn for grain	1866					
Harvested		Acres	3,875	1917	480	1983
Yield		Bushels	140	2004	14	1930
Production		Bushels	106,562	1917	23,040	1983
Corn Silage	1919					
Harvested		Acres	170	1973	12	1934
Yield		Tons	19	2004	3.5	1930
Production		Tons	2,560	1976	72	1932
Cotton	1866					
Harvested		Acres	1,146	1925	215	1983
Yield		Pounds	900	2004	103	1923
Production ²		Bales	984	2004	145	1967
All Hay	1909					
Harvested		Acres	2,035	2001	893	1914
Yield		Tons	2.52	2004	.63	1930
Production		Tons	4,883	2004	699	1911
Alfalfa Hay	1919					
Harvested		Acres	188	1958	15	1924
Yield		Tons	4.20	2003	1.15	1930
Production		Tons	408	1963	19	1925
Grain Sorghum	1949					
Harvested		Acres	465	1985	5	1949
Yield		Bushels	90	2004	17	1954
Production		Bushels	37,200	1985	115	1949
Sorghum Silage	1929					
Harvested		Acres	35	1955	1	1999
Yield		Tons	19	1994	4.5	1930
Production		Tons	315	1955	10	1999
Soybeans	1924					
Harvested		Acres	2,620	1979	8	1925
Yield		Bushels	42.0	2003	6.5	1935
Production		Bushels	70,740	1979	60	1925
Winter Wheat	1866					
Harvested		Acres	1,620	1900	107	1962
Yield		Bushels	56	1999	3	1885
Production		Bushels	37,400	1981	2,008	1866
All Tobacco	1866					
Harvested		Acres	162	1930	21	1874
Yield		Pounds	2,192	1994	300	1874
Production		Pounds	178,117	1982	6,300	1874
E. Dark-Fired (22)	1919					
Harvested		Acres	76	1923	5	2002
Yield		Pounds	3,110	2002	740	1925
Production		Pounds	61,500	1931	11,935	1987
W. Dark-Fired (23)	1919					
Harvested		Acres	30	1919	.39	2002
Yield		Pounds	3,550	2002	700	1930
Production		Pounds	24,450	1919	607	1974
Burley (31)	1919					
Harvested		Acres	89	1952	9.3	1921
Yield		Pounds	2,245	1972	700	1925
Production		Pounds	148,580	1982	7,347	1921
One-Sucker (35)	1919					
Harvested		Acres	22	1919	.48	1997
Yield		Pounds	2,750	2004	670	1925
Production		Pounds	18,150	1919	870	1989

¹ Yields are in actual units. ² Cotton production shown in 480 lb. net weight bales.

Note: If acreage, yield, or production is identical for more than one year, the most recent year is shown.

Nursery and Floriculture

Tennessee's second Nursery Production Survey showed that nursery operations with sales of \$100,000 or more during 2003 grossed sales of \$109 million for the nine surveyed categories. Tennessee ranked eleventh in total gross sales of the country's top 17 nursery producing states selected for this multi-state survey. Deciduous shade trees accounted for 27 percent of the total, followed by deciduous flowering trees at 25 percent, and propagation material at 12 percent.

Tennessee's 2004 wholesale value of floriculture crops was down 4 percent from the 2003 value. The total crop wholesale value for 187 growers with \$10,000 or more in sales was estimated at \$44.1 million, compared with \$45.9 million a year earlier.

Nursery Production: All Operations with \$100,000 + Sales, Tennessee, 2003

Category	Number of Producers	Number Sold	Gross Sales	U.S. Rank	Percent of Sales Wholesale
	Number	(000)	(\$000)		Percent
Broadleaf Evergreens	103	1,546	11,591	14	87
Coniferous Evergreens	91	1,404	9,322	15	81
Deciduous Shade Trees	122	1,597	29,083	6	93
Deciduous Flowering Trees	130	2,926	27,235	3	92
Deciduous Shrubs and Other Ornamentals	103	2,386	8,773	14	87
Fruit and Nut Plants	26	1,414	7,386	5	83
Christmas Trees	4	14	187	14	92
Propagation Material	61		12,510	7	99
Total	387		108,667	11	

¹ This item was not asked.

Floriculture: Growers, Wholesale Value, and Growing Area, Tennessee, 2000-2004

Crop Year	Total Growers	Expanded Wholesale Value ¹	Total Greenhouse Cover	Shade and Temporary Cover	Total Covered Area	Open Ground
	Number	1,000 Dollars	1,000	1,000 Square Feet	1,000 Square Feet	Acres
2000	202	52,373	6,646	230	6,876	227
2001	203	42,649	6,396	89	6,485	189
2002	237	44,287	6,314	125	6,439	362
2003	221	45,886	7,264	96	7,360	326
2004	187	44,100	7,243	241	7,484	262

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the mid-point of each dollar value range.

Tillage Systems

Farmers are the original environmentalists and conservationists. In order to maintain a paying farm, they have long recognized soil and water as the foundation of a successful crop. To address the problem of highly erodible soil, many farmers have adopted no-till and other conservation practices as part of their farming operation. No-Till is a procedure whereby a crop is planted directly into a seedbed not tilled since harvest of a previous crop, or the planting of a crop into sod, previous crop stubble, or a cover where only the intermediate seed zone is disturbed. Percentage of tilled and double-cropped acreages relate to June estimates of the current year, and are not subject to revisions.

Tillage Practices Used: by Crop, Tennessee, 2001-2004

Crop	Year	Total Acres Planted	% of Total ¹			
			No-Till	Other Conservation Tillage ²	Conventional Till ³	Double-Cropped ⁴
Soybeans	2001	1,070,000	72.0	16.8	11.2	28.0
	2002	1,160,000	68.1	18.1	13.8	25.9
	2003	1,150,000	61.7	27.8	10.4	25.2
	2004	1,210,000	67.8	22.0	10.2	25.4
Corn	2001	680,000	60.3	20.6	19.1	5.1
	2002	690,000	68.1	18.0	13.9	5.1
	2003	710,000	63.4	19.7	16.9	4.2
	2004	680,000	64.3	20.0	15.7	3.6
Sorghum	2001	25,000	32.0	40.0	28.0	4.0
	2002	30,000	43.3	33.3	23.3	5.0
	2003	45,000	28.9	33.3	37.8	6.7
	2004	20,000	36.7	33.3	30.0	5.0
Cotton	2001	620,000	59.7	16.1	24.2	0.3
	2002	565,000	53.1	24.8	22.1	0.3
	2003	560,000	48.2	33.9	17.9	0.3
	2004	530,000	47.4	33.3	19.3	0.3
Wheat ⁵	2001	500,000	36.0	38.0	26.0	----
	2002	470,000	36.2	40.4	23.4	----
	2003	430,000	37.2	39.5	23.3	----
	2004	400,000	37.5	35.0	27.5	----
Total	2001	2,895,000	60.0	21.4	18.5	11.7
	2002	2,915,000	59.8	23.1	17.1	11.6
	2003	2,895,000	55.4	28.8	15.8	11.2
	2004	2,840,000	58.4	25.7	15.9	11.4

¹ Sum of no-till, other conservation tillage and conventional till percents of total may not add to 100 percent due to rounding. ² Other Conservation Tillage- Tillage practices prior to planting which result in a minimum of 30 percent ground cover or residue being retained on the surface following planting. Includes ridge till, strip till, and mulch till. ³ Conventional Till - Systems where 100 percent of the surface layer is mixed or inverted by plowing, power tilling, or multiple disking. ⁴ Double-Cropped - Two crops harvested from the same field during one year. ⁵ Wheat seeded the previous fall for all intended purposes including grain, cover, silage, hay, or any other utilization.